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Physics on Cards



Physics on Cards Rules

Number of players: Unlimited. Students are in the groups of 3/4 players. Each group has its own set of cards.

How to play:

1. Player on the move can see the front side of the card for 30 seconds. Player is not allowed to flip the card to see the questions on the other side of the card.
2. After running out of the time player gives the card to another player who will read the question. The number on the dice is the number of the question for the player to answer.
3. Player has to answer and briefly explain the question within 2 minutes. If the player is right, he keeps the card. If the player fails to answer the question or is not able to explain the answer enough, the card goes to the pack. Players can see the list of correct answers on the website.
4. Player with most cards win.

Allowed items: paper, pen, card *Auxiliary Data*

1. How much buoyancy force acts on a ball fully submerged in water?
2. If you submerge the same ball as seen in the picture in oil, would the force meter show the same, lower or higher value as in case of submerging the ball in water?
3. If you submerge the same ball as seen in the picture in glycerol, would the force meter show the same, lower or higher value as in case of submerging the ball in water?
4. What value would the force meter show if we submerge only half the volume of the ball in water?
5. How much volume of the water will push a ball fully submerged in water?
6. How many grams does the water pushed by ball fully submerged in water weigh?

Physics on Cards is an educational game ideal for revising Physics topics, but also for developing and acquiring factual knowledge. We have created ten playing cards covering the topic of Force and Pressure in Liquids. We are expanding

this version and covering more topics, for example Electricity and Magnetism, Optics, Thermodynamics, Energy, Work and Power. We have created Slovak and English version of the website of this game, where students

can find correct answers to questions from playing cards.



English version of the website



Slovak version of the website